

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. APP. NO. 10/049,422

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (currently amended): A microfiltration filter cartridge comprising a micro-porous filtration membrane, supports, a core, an outer cover and end plates, all the components being formed of a polysulfone based polymer, wherein at least one melting molding members in member of at least one of the component components is subjected to annealing an annealed member.

2. (currently amended): The microfiltration filter cartridge according to claim 1, wherein the at least one melting molding members subjected to the annealing is are the end plates.

3. (original): The microfiltration filter cartridge according to claim 1 or 2, wherein all of the micro-porous filtration membrane, the supports, the core, the outer cover and the end plates which are the components are formed of polyethersulfone.

4. (currently amended): The microfiltration filter cartridge according to any of claims 1 to 3, claim 1, wherein a dimension in an axial direction of a window of each of the outer cover and the core is 1 mm to 3 mm.

5. (currently amended): The microfiltration filter cartridge according to any of claims 1-4, claim 1, wherein a primary side and/or secondary side supports/support are/is formed by a micro-porous film provided with a large number of very fine concave portions and/or convex portions.

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6. (currently amended): The microfiltration filter cartridge according to ~~any of claims 1 to 5, claim 1~~, wherein the micro-porous filtration membrane has a water bubble point of 0.3 MPa or more and the supports has a water bubble point of 0.15 MPa or less.

7. (original): A method of manufacturing a microfiltration filter cartridge comprising a micro-porous filtration membrane, supports, a core, an outer cover and end plates, all the components being formed of a polysulfone based polymer, wherein melting molding members in the component is subjected to annealing.

8. (original): The method of manufacturing a microfiltration filter cartridge according to claim 7, wherein the melting molding members to be annealed is end plates.

9. (original): The method of manufacturing a microfiltration filter cartridge according to claim 7 or 8, wherein all of the micro-porous filtration membrane, the supports, the core, the outer cover and the end plates which are the components are formed of polyethersulfone.

10. (currently amended): The method of manufacturing a microfiltration filter cartridge according to ~~any of claims 7 to 9, claims 7 to 8~~, wherein the cartridge is cleaned with a flow of warm ultrapure water at 50°C to 100°C after assembling and is then dried in a clean oven.

11. (currently amended): A method of filtrating a wafer cleaning solution for a semiconductor integrated circuit, wherein the microfiltration filter cartridge according to ~~any of claims 1-6, claim 1~~, is used to start to filtrate chemicals without prewetting through alcohol.